

Abstract

A low-friction seal comprising a quasi dimensionally stable sealing ring (44) that is accommodated with radial and axial clearance in a groove (30; 76) of one of two surfaces, whereby said surfaces are sealed off from each other and can move in a relative position to each other, and the peripheral section of the sealing ring protruding from the groove (30; 76) is placed opposite the other surface that is to be sealed. Means are provided between the side wall (34; 80, 82) of the groove on the side of the pressure-chamber and the sealing ring (44) in order to prevent pressure from spreading to the bottom (37, 78) of the groove, whereby radial deformation of the sealing ring in the direction of the surface that is to be sealed is avoided.